

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042021\  
 Data File : VU043231.D  
 Acq On : 20 Apr 2021 18:16  
 Operator : SY/MD  
 Sample : M2057-13  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 21 05:02:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 21 04:57:57 2021  
 Response via : Initial Calibration

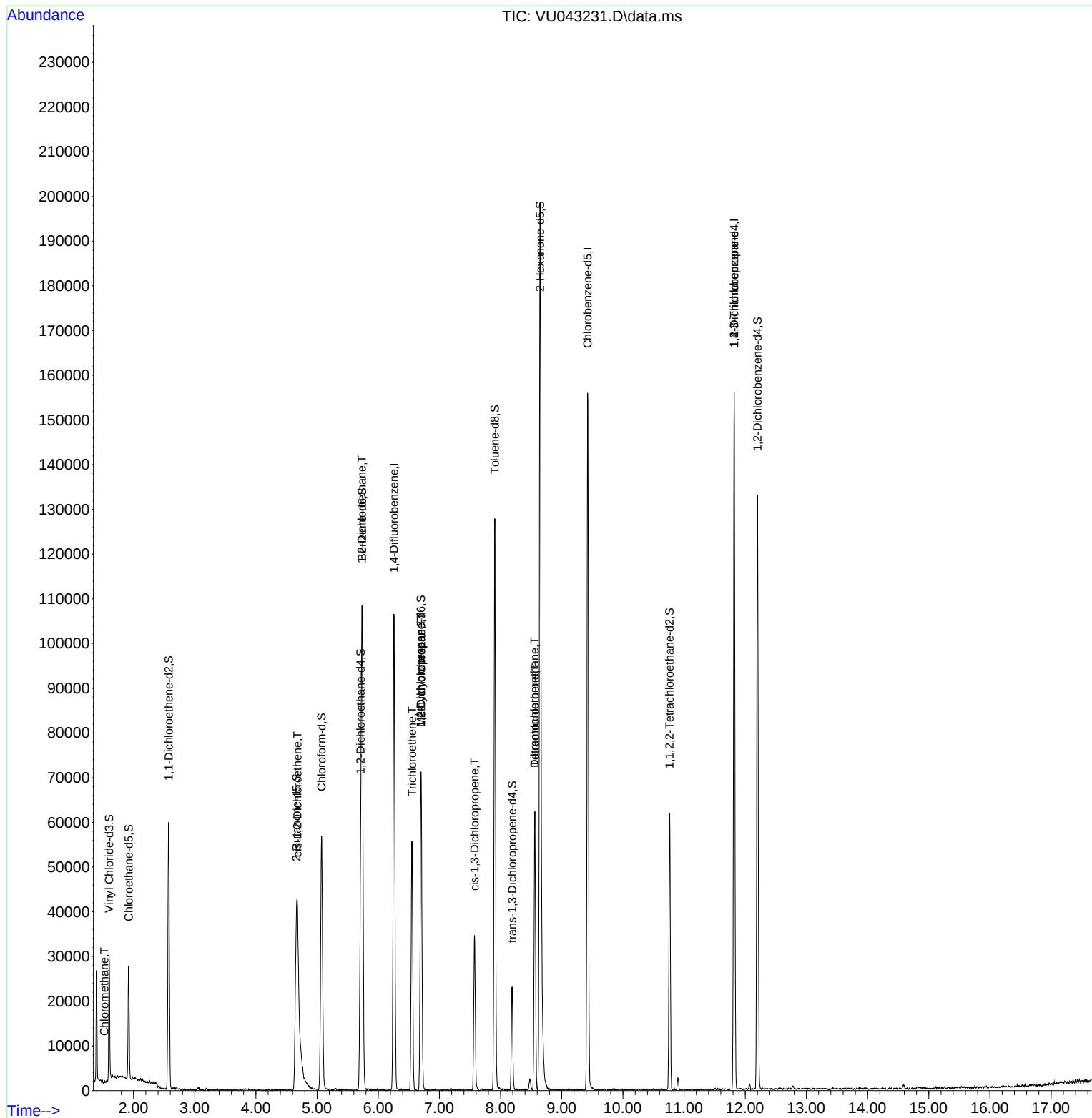
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 77943    | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 78199    | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 36623    | 5.00     | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 17724    | 4.47     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 89.40%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 16533    | 4.43     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 88.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 11887    | 5.18     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 103.60%  |
| 20) 2-Butanone-d5             | 4.665  | 46    | 95576    | 54.98    | ug/L  | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 109.96%  |
| 24) Chloroform-d              | 5.073  | 84    | 49451    | 4.91     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 98.20%   |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 32691    | 4.80     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 96.00%   |
| 32) Benzene-d6                | 5.736  | 84    | 88229    | 4.85     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 97.00%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 30811    | 5.10     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 102.00%  |
| 41) Toluene-d8                | 7.906  | 98    | 77655    | 4.10     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 82.00%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 11753    | 4.41     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 88.20%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 64665    | 48.62    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 97.24%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 27473    | 5.17     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 103.40%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 33022    | 5.26     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 105.20%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 3) Chloromethane              | 1.523  | 50    | 402      | 0.08     | ug/L  | 86       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 6143     | 1.12     | ug/L  | 84       |
| 27) 1,2-Dichloroethane        | 5.732  | 62    | 694      | 0.09     | ug/L  | # 74     |
| 34) Trichloroethene           | 6.552  | 95    | 17336    | 3.01     | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.700  | 83    | 6922     | 0.87     | ug/L  | # 19     |
| 37) 1,2-Dichloropropane       | 6.700  | 63    | 3464     | 0.59     | ug/L  | # 87     |
| 39) cis-1,3-Dichloropropene   | 7.575  | 75    | 872      | 0.10     | ug/L  | # 81     |
| 47) Tetrachloroethene         | 8.562  | 164   | 12654    | 2.77     | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.559  | 129   | 11920    | 2.15     | ug/L  | # 9      |
| 61) 1,2,3-Trichloropropane    | 11.819 | 75    | 4930     | 1.30     | ug/L  | # 57     |
| -----                         |        |       |          |          |       |          |

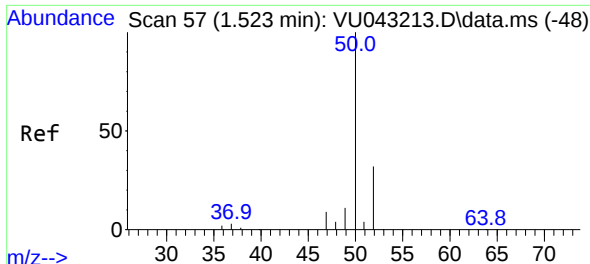
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

Quant Time: Apr 21 05:02:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Apr 21 04:57:57 2021  
Response via : Initial Calibration

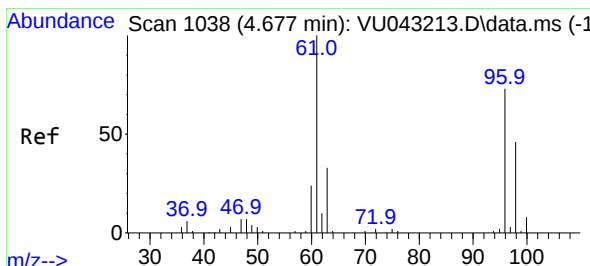
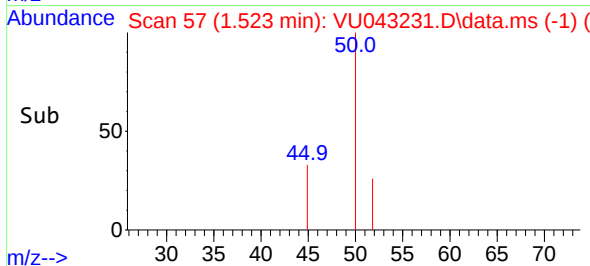
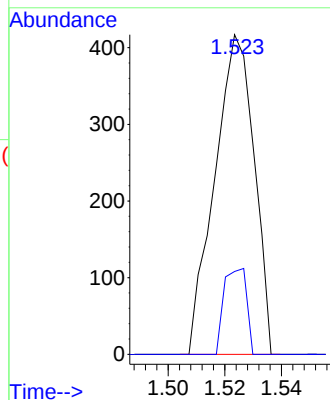
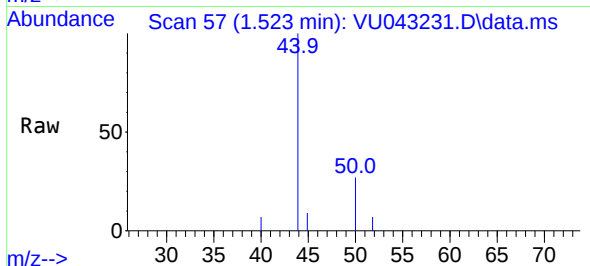




#3  
Chloromethane  
Concen: 0.08 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU043231.D  
Acq: 20 Apr 2021 18:16

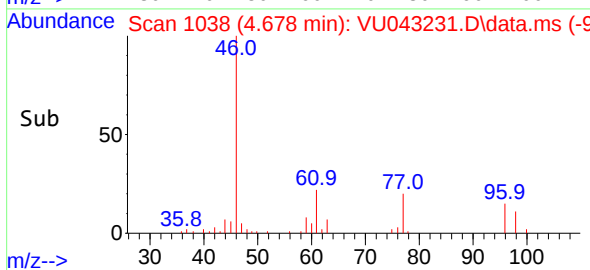
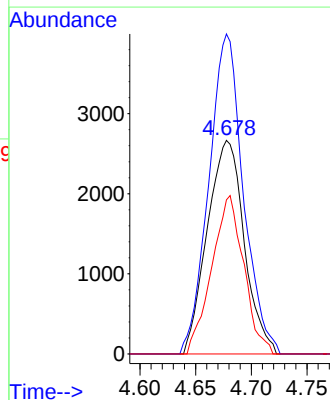
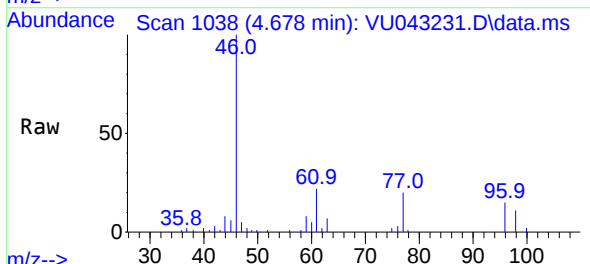
Instrument :  
MSVOA\_U  
ClientSampled :

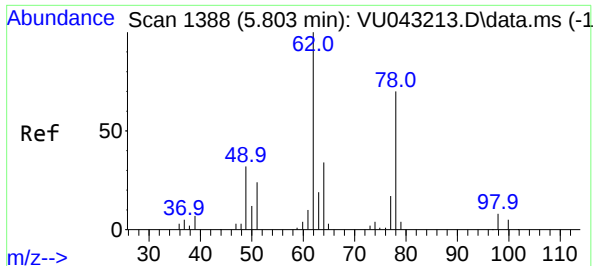
Tgt Ion: 50 Resp: 402  
Ion Ratio Lower Upper  
50 100  
52 25.9 23.6 43.8



#22  
cis-1,2-Dichloroethene  
Concen: 1.12 ug/L  
RT: 4.678 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VU043231.D  
Acq: 20 Apr 2021 18:16

Tgt Ion: 96 Resp: 6143  
Ion Ratio Lower Upper  
96 100  
61 149.8 87.4 162.4  
98 72.1 47.7 88.5

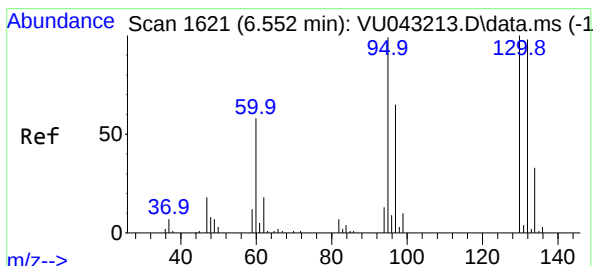
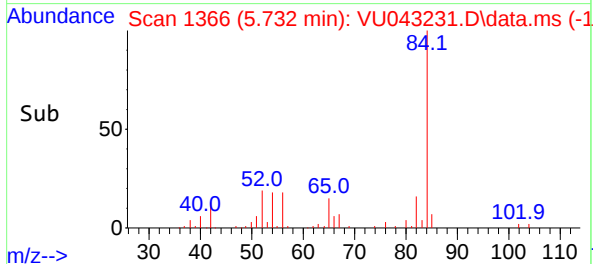
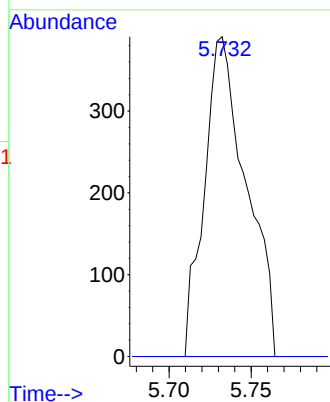
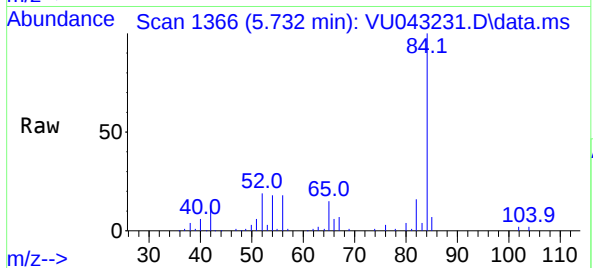




#27  
1,2-Dichloroethane  
Concen: 0.09 ug/L  
RT: 5.732 min Scan# 1366  
Delta R.T. -0.071 min  
Lab File: VU043231.D  
Acq: 20 Apr 2021 18:16

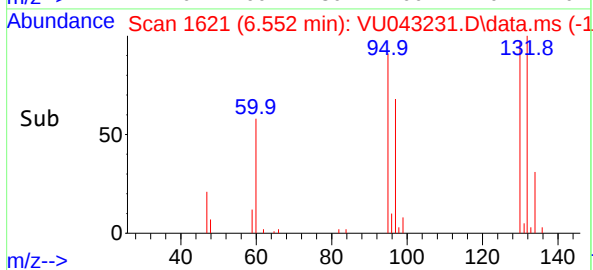
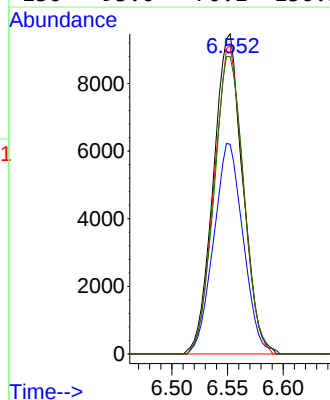
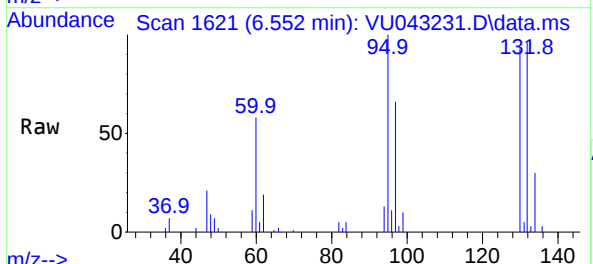
Instrument :  
MSVOA\_U  
ClientSampled :

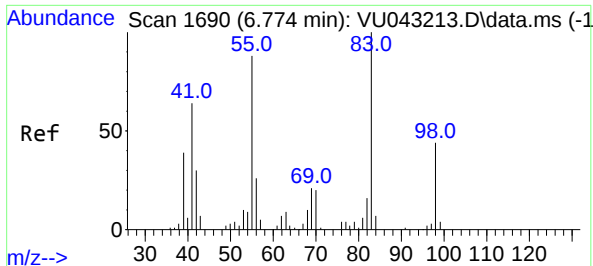
Tgt Ion: 62 Resp: 694  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.5 11.3#



#34  
Trichloroethene  
Concen: 3.01 ug/L  
RT: 6.552 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VU043231.D  
Acq: 20 Apr 2021 18:16

Tgt Ion: 95 Resp: 17336  
Ion Ratio Lower Upper  
95 100  
97 65.6 45.8 85.2  
132 96.4 68.7 127.7  
130 93.0 70.1 130.3





#35

Methylcyclohexane

Concen: 0.87 ug/L

RT: 6.700 min Scan# 1667

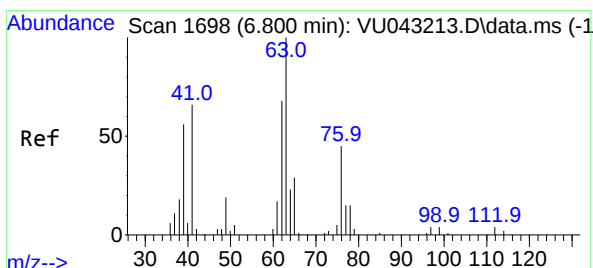
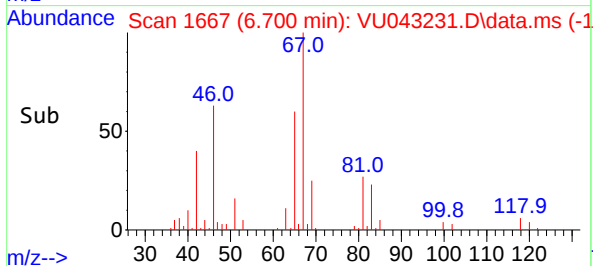
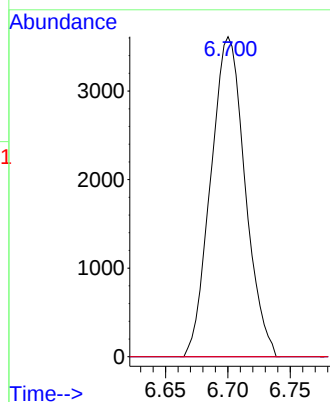
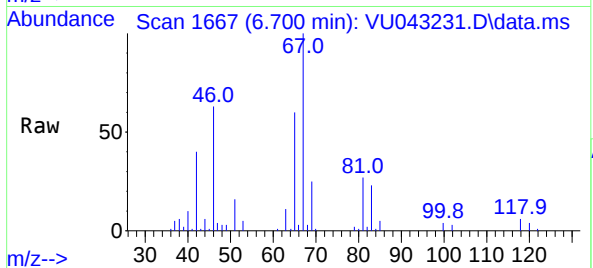
Delta R.T. -0.074 min

Lab File: VU043231.D

Acq: 20 Apr 2021 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 6922  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.0      | 59.5 89.3#  |
| 98 0.4      | 37.9 56.9#  |



#37

1,2-Dichloropropane

Concen: 0.59 ug/L

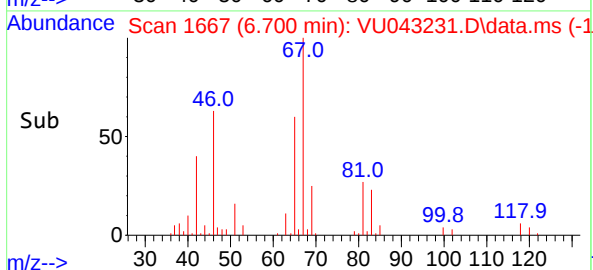
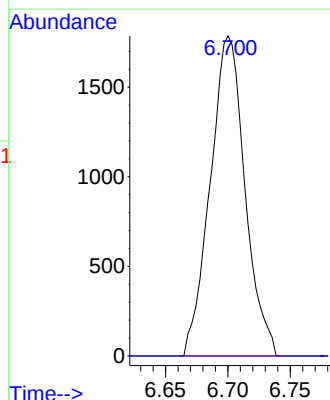
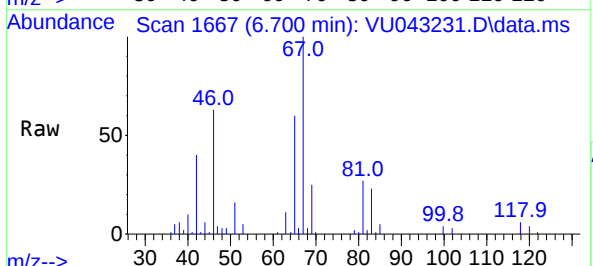
RT: 6.700 min Scan# 1667

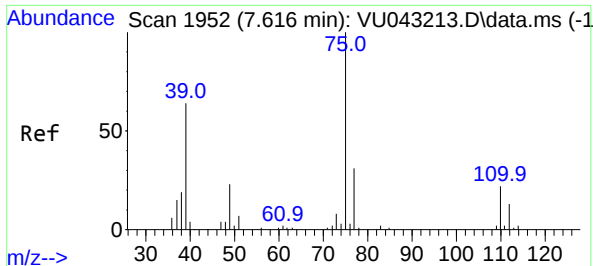
Delta R.T. -0.099 min

Lab File: VU043231.D

Acq: 20 Apr 2021 18:16

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 3464  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.0     | 3.5 5.3#    |

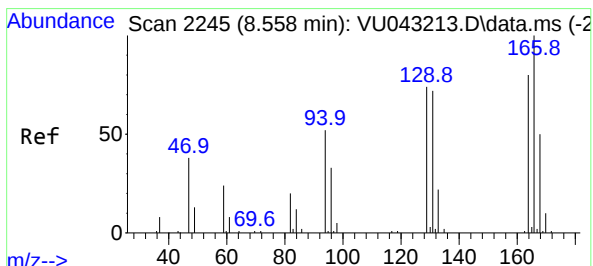
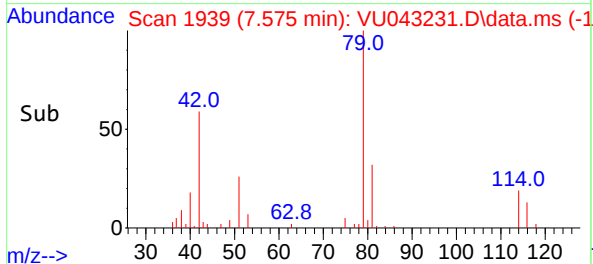
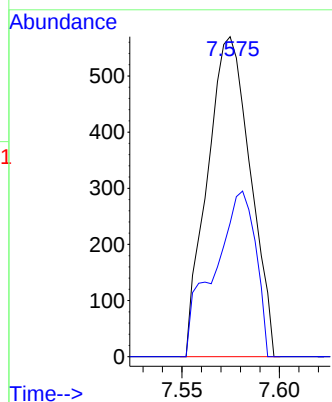
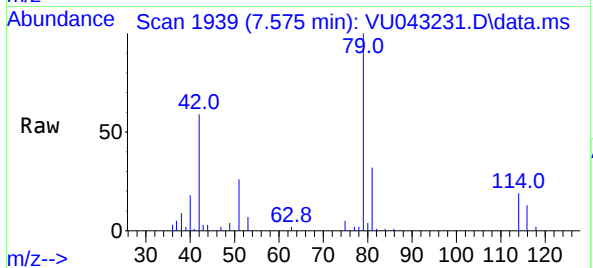




#39  
cis-1,3-Dichloropropene  
Concen: 0.10 ug/L  
RT: 7.575 min Scan# 1939  
Delta R.T. -0.042 min  
Lab File: VU043231.D  
Acq: 20 Apr 2021 18:16

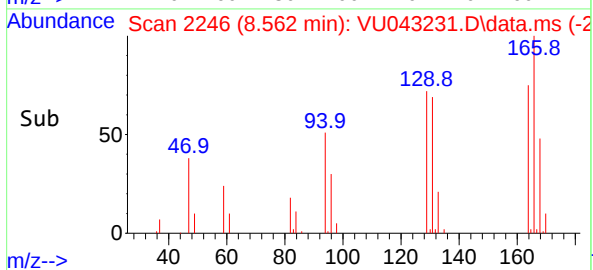
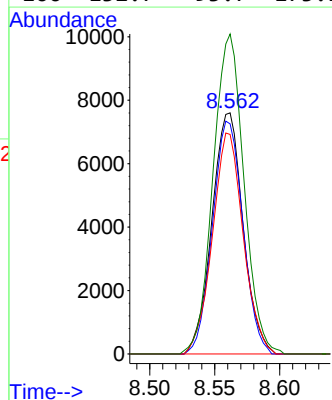
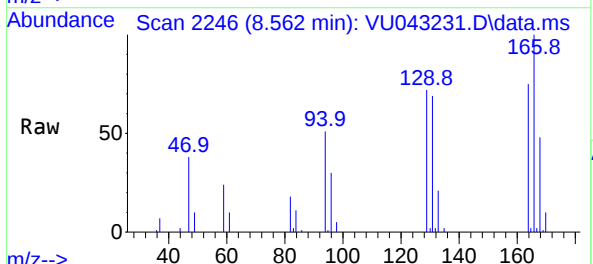
Instrument :  
MSVOA\_U  
ClientSampled :

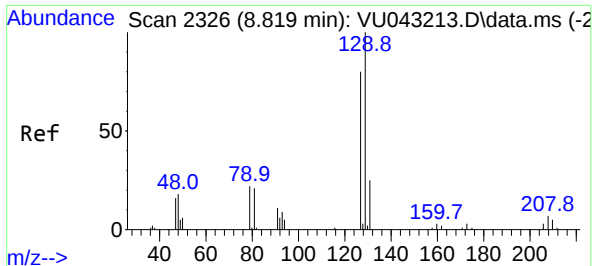
Tgt Ion: 75 Resp: 872  
Ion Ratio Lower Upper  
75 100  
77 41.8 21.8 40.6#



#47  
Tetrachloroethene  
Concen: 2.77 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. 0.003 min  
Lab File: VU043231.D  
Acq: 20 Apr 2021 18:16

Tgt Ion:164 Resp: 12654  
Ion Ratio Lower Upper  
164 100  
129 95.4 66.6 123.8  
131 91.0 65.9 122.3  
166 132.7 93.7 173.9





#49

Dibromochloromethane

Concen: 2.15 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. -0.260 min

Lab File: VU043231.D

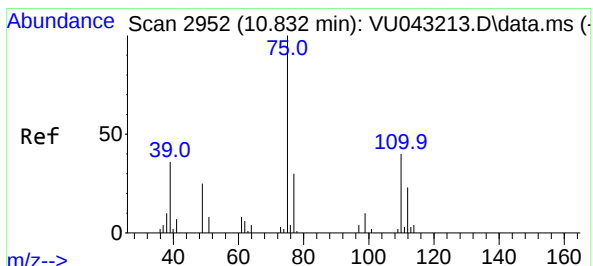
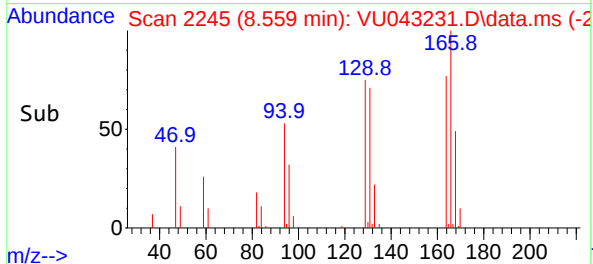
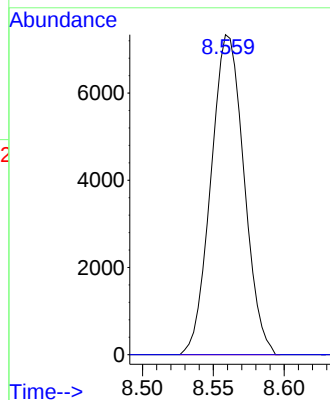
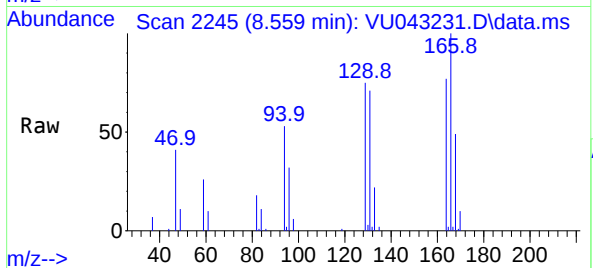
Acq: 20 Apr 2021 18:16

Tgt Ion:129 Resp: 11920

Ion Ratio Lower Upper

129 100

127 0.0 56.6 105.2#



#61

1,2,3-Trichloropropane

Concen: 1.30 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.987 min

Lab File: VU043231.D

Acq: 20 Apr 2021 18:16

Tgt Ion: 75 Resp: 4930

Ion Ratio Lower Upper

75 100

110 0.9 31.5 47.3#

77 44.2 26.3 39.5#

